500.33808CV4

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): M. NAKAMURA et al

Serial No.: (New continuation application under 37 CFR §1.53[b] of

U.S. Application S.N. 10/091,064)

Filed: January 30, 2004

For: SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE

Group: 2818

Examiner: T. NGUYEN

## UNDER 37 CFR 1671.97 & §1.98

MS: PATENT APPLICATIONS
Commissioner of Patents
POB 1450
Alexandria, VA 22313-1450

January 30, 2004

Sir:

In the matter of the above-identified application, applicants are attaching hereto, in a form equivalent to Form PTO-1449, a listing of all the art documents of record (cited by the Examiner/submitted by applicants) in the chain of continuing applications (as listed on page 1 of the Specification), under 35 U.S.C. §120, pursuant to the duty of disclosure/candor requirements.

This Information Disclosure Statement is being submitted concurrently with the filing of the above-identified continuation application and, therefore, this IDS meets the requirements pursuant to 37 C.F.R. §1.97(b).

As to the requirement of 37 C.F.R. §1.98(a)(3) for a concise explanation

of relevance to the extent that any of the listed documents are not in the English

language, this is met by (insofar as applicable): the discussion thereof in the

original specification/prosecution history, the earlier submission of English

language translations thereof as well as the citation thereof by the Examiner in

the prior application(s).

It is understood that since copies of the listed documents should be

available in the file wrapper(s) of the prior application(s), copies thereof are not

included herewith, consistent with 37 CFR §1.98(d) and pursuant to the

guidelines set forth in MPEP §609.

It is submitted this IDS is in compliance with the rules of practice as well

as with USPTO guidelines. Therefore, applicants respectfully request that it be

entered and duly considered by the USPTO. Also, acknowledgment of such

entry as well as of a formal consideration thereof by the Examiner is respectfully

requested.

If any costs are due in accordance with the filing of this Information

Disclosure Statement, please charge same to the account of Antonelli, Terry,

Stout & Kraus, LLP, Account No. 01-2135 (501.33808CV4).

Respectfully submitted,

ANTONELLI, TERRY, STOUT & KRAUS, LLP

Larry N/Anagnos

Registration No. 32.392

LNA/dks

(703) 312-6600

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U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449A/PTO R53(b) CONT. of S.N. 10/091,064 **Application Number** INFORMATION DISCLOSURE Filing Date January 30, 2004 STATEMENT BY APPLICANT First Named Inventor NAKAMURA, MASAYUKI Art Unit 2818 T. NGUYEN Examiner Name (use as many sheets as necessary) Attorney Docket Number of 3 501.33808CV4 Sheet 1

			U.S. PATENT	DOCUMENTS	
Examiner Initials'	Cite No.1	Document Number  Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	<u></u>	US- 5,905,682	05-1999	Gans et al	· ·
		US- 5,654,577	08-1997	Nakamura et al	
		US- 5,619,459	04-1997	Gilliam	
		US- 5,386,135	01/1995	Nakazato et al	
		US- 5,148,255	09/1992	Nakazato et al	
		US- 5,079,613	01/1992	Sawada et al	
		US- 4,751,679	06-1988	Dehganpour	
		US-			
	I	US-			
		US-			

		FOREIC	IN PATENT DOC	UMENTS		
Examiner Initials'	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>e</sup>
		JP 08-8412	01-12-1996			×
		JP 3-58475	03-13-1991			х
		JP 5-189968	07-30-1993			×
		JP 7-142605	06-02-1995			x
		JP 63-86559	04-16-1988			x
		JP 3-232272	10-16-1991			×
		JP 06-85200	03-25-1994			×
		JP 62-109354	05-20-1987			<u> </u>
		JP 2-264462	10-29-1990			×
		.IP 5-267617	10-15-1993			×
		JP 3-276673	12-06-1991			x

Examiner	Date	
Signature	Considered	

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<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>&</sup>lt;sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at <a href="www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449A/PTO				Complete if Known			
				Application Number	R53(b) CONT. of S.N. 10/091,064		
	INFORMATION DISCL	.osi	JRE	Filing Date	January 30, 2004		
	STATEMENT BY APP	LIC	ANT	First Named Inventor	NAKAMURA, MASAYUKI		
				Art Unit	2818		
	(use as many sheets as neo	cessar	γ)	Examiner Name	T. NGUYEN		
Sheet	2	of	3	Attorney Docket Number	501.33808CV4		

			U.S. PATENT I	DOCUMENTS	
Examiner	Cite	Document Number		Name of Patentee or	Pages, Columns, Lines, Where Relevant Passages or Relevant
Initials'	No.1	Number-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Figures Appear
		US-			
		us-			•
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FOREIGN PATENT DOCUMENTS							
Examiner Initials'	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T⁵	
		JP 3-83289	04-09-1991			х	
		JP 4-212453	08-04-1992			x	
		JP 4-317372	11-09-1992			x	
		JP 62-119958	06-01-1987	·		x	
			<b>†</b> · · · · · · · · · · · · · · · · · · ·			1	

Examiner		Date	
Signature		Considered	

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¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at <a href="https://www.uspto.gov">www.uspto.gov</a> or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard St.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁴Applicant is to place a check mark here if English language Translation is attached.

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute	titute for form 1449B/PTO		Complete if Known			
				Application Number	R53(b) CONT. of SN 10/091,064	
	INFORMATION DISCL	_OSI	JRE	Filing Date	January 30, 2004	
	STATEMENT BY APP	LIC	ANT	First Named Inventor	NAKAMURA, MASAYUKI	
				Group Art Unit	2818	
	(use as many sheets as ne	cessai	γ)	Examiner Name	T. NGUYEN	
Sheet	3	of	3	Attorney Docket Number	501.33808CV4	

		OTHER PRIOR ART—NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	No. 1 item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s),							
		HIDESHI FUJII ET AL, "16-M DRAM LSI DEVICE MEMORY DRAM TRENCH", The ISSCC, Nikkei Microdevice 1989.3, pps. 54-58, Toshiba Semiconductor Technology Laboratory, JAPAN, (w/English translation)	x					
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	<u></u>		_					
Examiner Signature		Date Considered						

<sup>\*</sup>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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